

HB333

Geothermal Research and Development 2012 for Energy and Telecommunications Interim Committee

Background

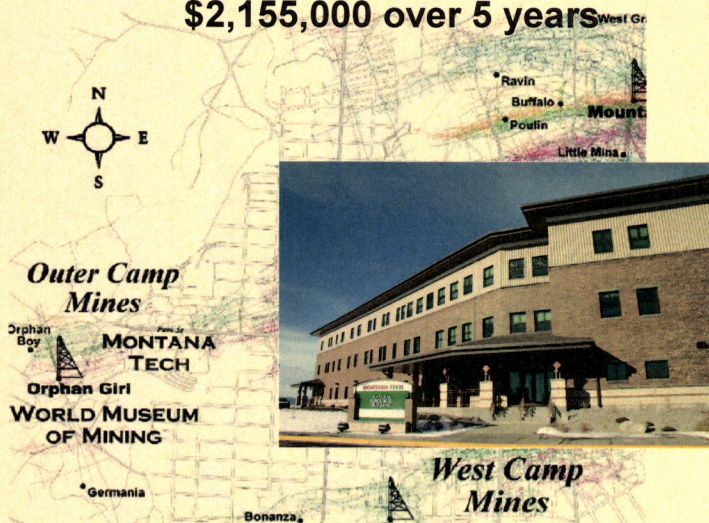
HOUSE BILL 333 (61st Legislature)

An Act Allowing the Bureau of Mines and Geology to Conduct Geothermal Research

Over the last 30 years, the MBMG has gathered temperature, depth, flow, and chemistry for nearly 300 warm wells and springs throughout Montana. Sonderegger and Bergantino (MBMG publication Hydrogeologic Map-HM4: Geothermal Resources of Montana, 1981) presented the range of data and sites on a statewide map showing areas of potential development. Metesh re-compiled those data and updated the information on springs and wells in 2000 (MBMG Open-file report 415: Geothermal Springs and Wells in Montana).

HB333 will provide the opportunity to explore the potential for geothermal development in Montana.

Project 1: Heat Pump Demonstration using Mine Waters in Butte \$2,155,000 over 5 years



The building geothermal project has been combined with Mining Engineering project to provide underground facilities

MT Tech has received authorization for Phase II (design and construction)

Building side design in progress (piping, pump adaptation, etc.).

Mine side design (external) in progress (pipe trench, utilities, etc.).

Project showcased at

ETIC meeting in Butte and

MBMG-MWCC hosted Energy and Groundwater workshop (July 2012)

GWIC to NGDS data submission routine is complete

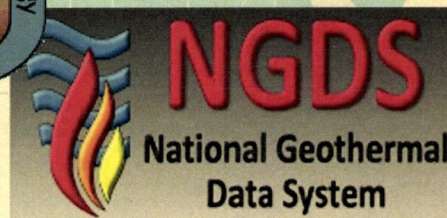
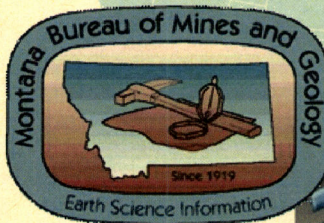
New data collection planned for third (upcoming) year

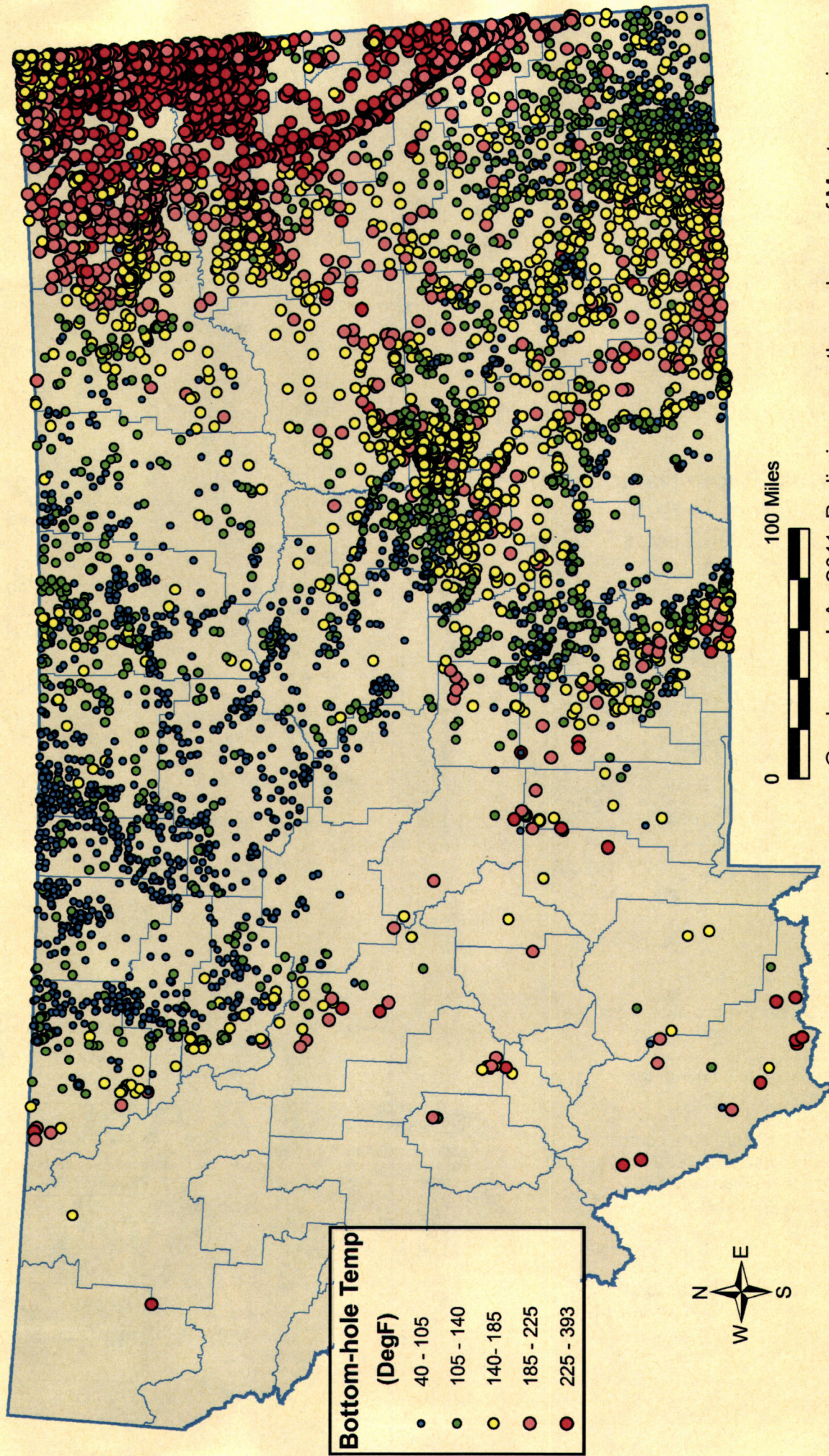
Bottom hole temperature data compiled and published: Montana Bureau of Mines and Geology: Open-File Report 608 (see reverse side for excerpt)

applications for fracking in Montana winters?

no cost extension for all states to allow additional sampling (through April 2014)

Project 2: State Geological Survey Contribution to the NGDS \$401,000 over 3 years





Gunderson, J. A., 2011, Preliminary geothermal map of Montana using bottom-hole temperature data, Montana Bureau of Mines and Geology: Open-File Report 608.